

# PIR | Movement - Sensor

Controls, Switches and Sensors

## For use with Titon HRV Q Plus Range

The PIR detector switch is designed to provide automatic control of ventilation loads. They detect movement using a PIR sensor and turn the load on. When an area is no longer occupied the unit will switch off after an adjustable time out period.

When the unit is first powered up the PIR sensor will always detect immediately regardless of whether the room is occupied. A selectable power up delay allows the installer to choose whether the load comes on immediately when the unit is powered up or is kept off for a small time (about 40 seconds) to allow the sensor to settle.

### Product Code

PIR Movement Sensor - **TP580**

PIR



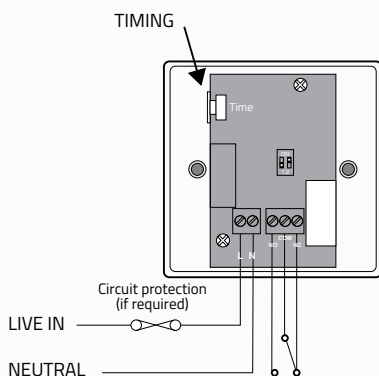
### Wiring Diagram

The PIR comes with a voltage free output contact with the following connections: common (**COM**); normally open (**NO**) and normally closed (**NC**).

The detector should be sited so that the occupants of the room fall inside the detection pattern shown overleaf, at a recommended height of 1.2m to 1.5m for wall sensors.

Note that the higher the sensor is installed the shorter the detection range will be.

- Avoid direct sunlight entering the sensor
- Do not site within 1m of forced air heating or ventilation.
- Do not site within 1m of any lighting.
- Do not fix to a vibrating surface.



## Features & Benefits

- **Movement sensor auto on, auto off**
- **Lux level sensing**
- **This version is a voltage free contact option and suitable for use with BMS and control applications.**

## Specification

10 Amp resistive load  
10 Amp incandescent lighting  
6 Amp fluorescent lighting  
3 Amp compact fluorescent lighting  
3 Amp low energy lighting  
3 Amp low voltage lighting (switch primary of transformer)  
Fluorescent lighting (max 6 fittings recommended)  
For fluorescent lighting total power factor correction capacitance must not exceed 40µF.  
3 Amp fans and ventilation equipment  
Switch SON lighting loads via a contactor

<b>Supply Voltage</b>	220-240 Volts AC 50 Hz
<b>Time Out Period</b>	Adjustable 10 seconds to 60 minutes in two ranges
<b>Light Level</b>	Optional adjustment by thumbwheel light to dark.
<b>Fixing Method</b>	Surface fixing 25mm deep plastic surface mount moulded box. Flush fixing 25mm steel wall box or 32mm deep cavity wall box.
<b>Terminal Capacity Material</b>	1.5mm <sup>2</sup> Flame retardant ABS
<b>Type</b>	Class 2
<b>Temperature Conformity</b>	-10°C to 35°C EMC-2004/108/EC LVD-2006/95/EC

## Drawing and Dimensions

